

chain nodes :

6 7 15

ring nodes :

1 2 3 4 5 8 9 10 11 12 13

chain bonds :

2-7 3-6 4-8 5-15

ring bonds :

1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13

exact/norm bonds :

1-2 1-5 2-3 2-7 3-4 3-6 4-5 5-15

exact bonds :

4-8

normalized bonds :

8-9 8-13 9-10 10-11 11-12 12-13

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom  
10:Atom 11:Atom 12:Atom 13:Atom 15:CLASS

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NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	27	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	29	JAN 02	STN pricing information for 2008 now available
NEWS	30	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	31	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	32	JAN 28	MARPAT searching enhanced
NEWS	33	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	34	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	35	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2,

CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

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DICTIONARY FILE UPDATES: 31 JAN 2008 HIGHEST RN 1001228-41-6

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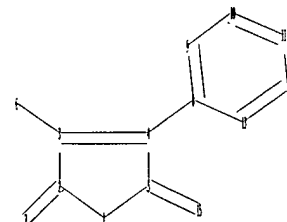
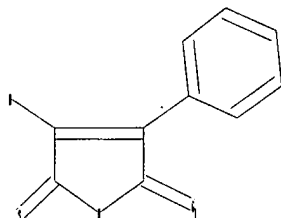
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experimental property data in the original document. For information  
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=>

Uploading C:\Program Files\Stnexp\Queries\10.563676\form1-corrected.str



chain nodes :

6 7 15

ring nodes :

1 2 3 4 5 8 9 10 11 12 13

chain bonds :

2-7 3-6 4-8 5-15

ring bonds :

1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13

exact/norm bonds :

1-2 1-5 2-3 2-7 3-4 3-6 4-5 5-15

exact bonds :

4-8

normalized bonds :

8-9 8-13 9-10 10-11 11-12 12-13

G1:O,S

Match level :

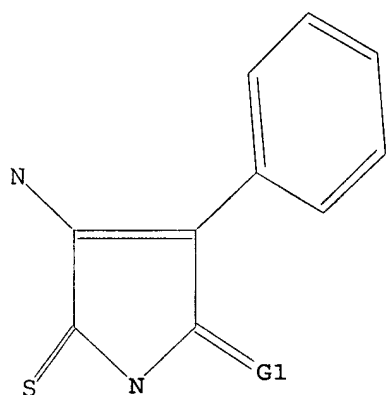
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom  
12:Atom 13:Atom 15:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 15:12:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -          1 TO ITERATE

100.0% PROCESSED          1 ITERATIONS          1 ANSWERS
SEARCH TIME: 00.00.01
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**

PROJECTED ITERATIONS:   1 TO      80
PROJECTED ANSWERS:      1 TO      80
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L2 1 SEA SSS SAM L1

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FULL SEARCH INITIATED 15:12:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -          28 TO ITERATE
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100.0% PROCESSED          28 ITERATIONS          21 ANSWERS
SEARCH TIME: 00.00.01
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L3 21 SEA SSS FUL L1

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COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          178.36          178.57
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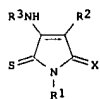
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L4                    2 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)  
 ACCESSION NUMBER: 2005:55230 CAPLUS  
 DOCUMENT NUMBER: 142:155810  
 TITLE: Preparation of pyrrole-2,5-dithione derivatives as liver X receptor modulators  
 INVENTOR(S): Holm, Patrik  
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

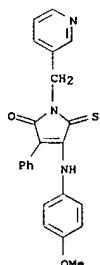
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005005416	A1	20050120	WO 2004-SE1115	20040708
W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RM: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004256000	A1	20050120	AU 2004-256000	20040708
AU 2004256000	B2	20070726		
CA 2532068	A1	20050120	CA 2004-2532068	20040708
EP 1646625	A1	20060419	EP 2004-749151	20040708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1820003	A	20060816	CN 2004-80019719	20040708
BR 2004012479	A	20060919	BR 2004-12479	20040708
JP 2007521313	T	20070802	JP 2006-520139	20040708
NO 2006000080	A	20060208	NO 2006-80	20060105
US 2006189663	A1	20060824	US 2006-563676	20060105
MX 2006PA00447	A	20060407	MX 2006-PA447	20060111
PRIORITY APPLN. INFO.:			GB 2003-16237	A 20030711
			WO 2004-SE1115	W 20040708
OTHER SOURCE(S):			CASREACT 142:155810; MARPAT 142:155810	
G1				



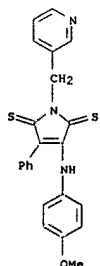
AB The present invention relates to novel compds. I [R1 = (un)substituted phenylalkyl, heteroarylalkyl, alkyl; R2 = Ph; R3 = (un)substituted Ph, indolyl, benzofuranyl, etc.; X = O, S], to processes for preparing such compds., to their utility in modulation of nuclear hormone receptors Liver X Receptor (LXR)  $\alpha$  (NR1H3) and/or  $\beta$  (NR1H2) and in treating clin. conditions including cardiovascular diseases such as

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 828938-27-8 CAPLUS  
 CN 2H-Pyrrol-2-one, 1,5-dihydro-4-[(4-methoxyphenyl)amino]-3-phenyl-1-(3-pyridinylmethyl)-5-thioxo- (CA INDEX NAME)



RN 828938-28-9 CAPLUS  
 CN 1H-Pyrrole-2,5-dithione, 3-[(4-methoxyphenyl)amino]-4-phenyl-1-(3-pyridinylmethyl)- (CA INDEX NAME)



RN 828938-29-0 CAPLUS  
 CN 2H-Pyrrol-2-one, 1,5-dihydro-4-[(4-methoxyphenyl)amino]-3-phenyl-1-(4-pyridinylmethyl)-5-thioxo- (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)  
 atherosclerosis, inflammatory diseases, Alzheimer's disease, lipid disorders (dyslipidemias) whether or not assocd. with insulin resistance, type 2 diabetes and other manifestations of the metabolic syndrome, to methods for their therapeutic use and to pharmaceutical compns. contg. them. Prepn. of twenty compds. I is described. E.g., a multi-step synthesis of I (X = O; R1 = 2-methoxyethyl; R2 = Ph; R3 = 4-MeOC6H4), starting from phenylmaleic anhydride, was given. The compds. I have an EC50 of < 50 $\mu$ M/L for LXR $\alpha$  and/or  $\beta$  in coactivator recruitment assays and/or reporter gene assays.

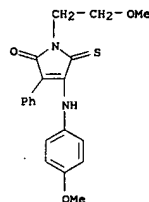
IT 828938-25-6P 828938-26-7P 828938-27-8P  
 828938-28-9P 828938-29-0P 828938-30-3P  
 828938-31-4P 828938-32-5P 828938-33-6P  
 828938-34-7P 828938-35-8P 828938-36-9P  
 828938-37-0P 828938-38-1P 828938-39-2P  
 828938-40-5P 828938-41-6P 828938-42-7P  
 828938-43-8P 828938-44-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); SIO (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrrole-2,5-dithiones as liver X receptor modulators)

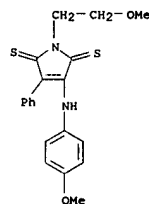
RN 828938-25-6 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-1-(2-methoxyethyl)-4-[(4-methoxyphenyl)amino]-3-phenyl-5-thioxo- (CA INDEX NAME)

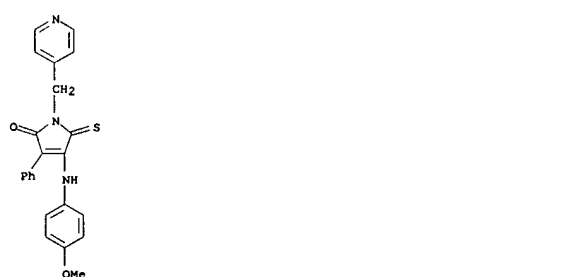


RN 828938-26-7 CAPLUS

CN 1H-Pyrrole-2,5-dithione, 1-(2-methoxyethyl)-3-[(4-methoxyphenyl)amino]-4-phenyl- (CA INDEX NAME)

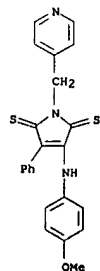


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 828938-30-3 CAPLUS

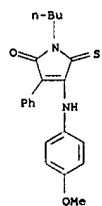
CN 1H-Pyrrole-2,5-dithione, 3-[(4-methoxyphenyl)amino]-4-phenyl-1-(4-pyridinylmethyl)- (CA INDEX NAME)



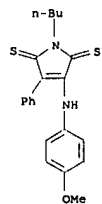
RN 828938-31-4 CAPLUS

CN 2H-Pyrrol-2-one, 1-butyl-1,5-dihydro-4-[(4-methoxyphenyl)amino]-3-phenyl-5-thioxo- (CA INDEX NAME)

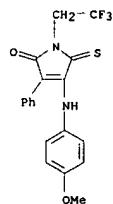
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 828938-32-5 CAPLUS  
CN 1H-Pyrrole-2,5-dithione, 1-butyl-3-[(4-methoxyphenyl)amino]-4-phenyl- (CA INDEX NAME)



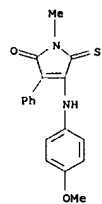
RN 828938-33-6 CAPLUS  
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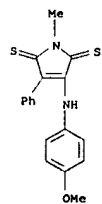
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CN 1H-Pyrrole-2,5-dithione, 3-[(4-methoxyphenyl)amino]-4-phenyl-1-(2,2,2-

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

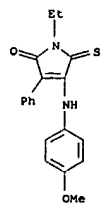
RN 828938-37-0 CAPLUS  
CN 2H-Pyrrole-2-one, 1,5-dihydro-4-[(4-methoxyphenyl)amino]-1-methyl-3-phenyl-5-thioxo- (CA INDEX NAME)



RN 828938-38-1 CAPLUS  
CN 1H-Pyrrole-2,5-dithione, 3-[(4-methoxyphenyl)amino]-1-methyl-4-phenyl- (CA INDEX NAME)

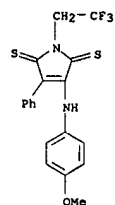


RN 828938-39-2 CAPLUS  
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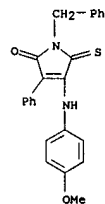


RN 828938-40-5 CAPLUS  
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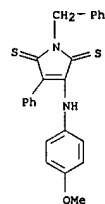
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



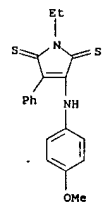
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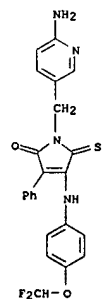
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CN 1H-Pyrrole-2,5-dithione, 3-[(4-methoxyphenyl)amino]-4-phenyl-1-(phenylmethyl)- (CA INDEX NAME)



L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



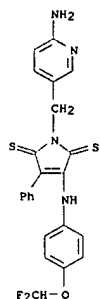
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CN 2H-Pyrrole-2-one, 1-[(6-amino-3-pyridinyl)methyl]-4-[(4-(difluoromethoxy)phenyl)amino]-1,5-dihydro-3-phenyl-5-thioxo- (CA INDEX NAME)



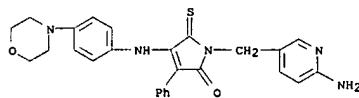
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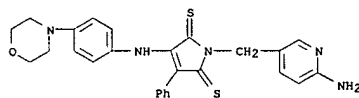
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 828938-43-8 CAPLUS  
 CN 2H-Pyrrol-2-one, 1-[(6-amino-3-pyridinyl)methyl]-1,5-dihydro-4-[[4-(4-morpholinyl)phenyl]amino]-3-phenyl-5-thioxo- (CA INDEX NAME)

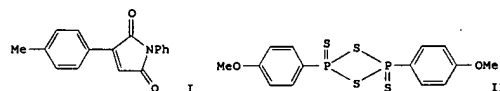


RN 828938-44-9 CAPLUS  
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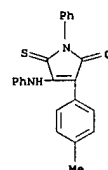
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:78664 CAPLUS  
 DOCUMENT NUMBER: 102:78664  
 ORIGINAL REFERENCE NO.: 102:12329a,12332a  
 TITLE: Sulfurization of C-substituted maleimides  
 AUTHOR(S): Augustin, M.; Koehler, M.; Kazandji, S.  
 CORPORATE SOURCE: Sek. Chem., Martin-Luther-Univ., Halle/Saale, DDR-4020, Ger. Dem. Rep.  
 SOURCE: Tetrahedron (1984), 40(18), 3499-502  
 CODEN: TETRA8; ISSN: 0040-4020  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 OTHER SOURCE(S): CASREACT 102:78664  
 GI



AB C-Substituted maleimides, e.g. I, are thiated with the reagent II in toluene or xylene. Monothiation at the nonequivalent carbonyl groups occurs in a regiospecific way. Maleimides with 4-methylphenyl or dialkylamino groups are attacked on the carbonyl function which is far from the C-substituent and give the monothio compds. The thiation of maleimides with NH-groups on the double bond primary occurs on the neighboring carbonyl group in the neighborhood, which further react to the violet dithiomaleimides.

IT 94740-68-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 94740-68-8 CAPLUS  
 CN 2H-Pyrrol-2-one, 1,5-dihydro-3-(4-methylphenyl)-1-phenyl-4-(phenylamino)-5-thioxo- (CA INDEX NAME)



=> log hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

13.78

192.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.60

-1.60

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:16:28 ON 01 FEB 2008